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(54) Title: INSTRUMENTS, SYSTEMS, AND METHODS FOR MEASURING LIQUID FLOW THROUGH CHANNELS

(57) Abstract: In some examples, an instrument for measuring a volume of a liquid is provided. A gas flow rate sensor may measure a rate of flow of a pressurized gas to a reservoir storing a liquid. A controller may be coupled to the gas flow rate sensor and may calculate a volume of the liquid that the flow of pressurized gas displaces from the reservoir. In some examples, a method of measuring a volume of a liquid is provided. Using a gas flow rate sensor, a flow of pressurized gas may be measured. The flow of the pressurized gas may be delivered to a reservoir storing a liquid. A volume of the liquid in the reservoir may be displaced using the flow of pressurized gas. The measurement of the flow of the pressurized gas may be used to calculate the volume of the liquid that is displaced.

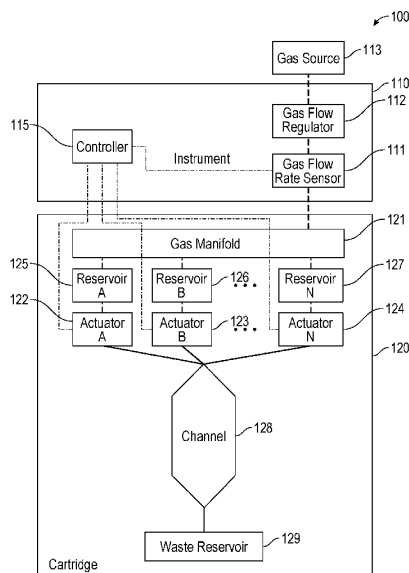


FIG. 1

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